1070-05-208   **Gregory S. Warrington***, Department of Mathematics & Statistics, University of Vermont, 16 Colchester Ave., Burlington, VT 05401. *On the mu-coefficients of Kazhdan-Lusztig polynomials.* Preliminary report.

The Kazhdan-Lusztig polynomials satisfy a simple recursive relation. However, the combinatorics of these polynomials are quite complicated. Due to their importance in the recursion, the mu-coefficients (i.e., the coefficients of the terms of highest possible degree) are of particular interest. In this talk we consider the relation between these coefficients and "crosshatch" intervals for Kazhdan-Lusztig polynomials associated to the symmetric group. (Received February 11, 2011)